

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A zeolite catalyst ~~in the form~~ consisting essentially of grains, each grain being formed by a zeolite core covered by at least one external zeolite layer having a different crystallographic structure than that of the core, the core consisting essentially of an acidic crystallized microporous solid zeolite and having a size of between about 0.5 micron and about 20 microns, wherein the external layer is a crystallized microporous solid zeolite and has a uniform thickness with a uniformity criterion, C, which is less than 0.30, whereby said uniformity criterion C is defined as being equal to an average, on a number N of catalyst grain samples, of the ratio of the difference between the maximum thickness,  $E_{i_{max}}$ , of the external layer and the minimum thickness,  $E_{i_{min}}$ , of this same layer to the average of these two thicknesses  $E_{i_{max}}$  and  $E_{i_{min}}$ , and with the provision that the grains have a spherical shape and have an overall average thickness of the external layer of between 0.1 and 10 microns yielding a maximum average grain size of about 40 microns.

2. (Previously Presented) A catalyst according to claim 1, wherein at least 95% of the surface of the core of the grains is covered by at least one external layer.

3. (Previously Presented) A catalyst according to claim 1, wherein the chemical composition of the core is different from that of the external layer.

4. (Cancelled)

5. (Cancelled)

6. (Previously Presented) A catalyst according to claim 1, wherein the crystallized microporous solid of the external layer has pores that have a diameter of between 0.1 and 2 nm.

7. (Previously Presented) A catalyst according to claim 1, wherein the core and the external layer are zeolites.

8. (Previously Presented) A catalyst according to claim 1, wherein N is at least 100.

9. (Previously Presented) A catalyst according to claim 1, wherein the uniformity criterion C is less than 0.2.

10. (Previously Presented) A catalyst according to claim 1, wherein the uniformity criterion C is less than 0.1.

11. (Previously Presented) A catalyst according to claim 9, wherein N is at least 100.

12. (Previously Presented) A catalyst according to claim 10, wherein N is at least 100.

13. (Previously Presented) A catalyst according to claim 12, wherein at least 99% of the surface of the core of the grains is covered by at least one external layer.

14. (Previously Presented) A catalyst according to claim 1, wherein the grains consist essentially of a beta zeolite layer on a Y zeolite core and the uniformity Criterion is about 0.1.

15. (Previously Presented) A catalyst according to claim 1, comprising grains consisting essentially of a silica lite-1 zeolite layer on a beta zeolite core and wherein the silica lite-1 layer has an average thickness of about 1100 nm and a uniformity Criterion of about 0.08.

16. (Previously Presented) A catalyst according to claim 1, wherein the crystallized microporous solid of the external layer has pores that have a diameter of between 0.1 and 1.5 nm.

17. (Previously Presented) A catalyst according to claim 1, wherein the crystallized microporous solid of the external layer has pores that have a diameter of between 0.1 and 1 nm.